

*Fig. 1.*

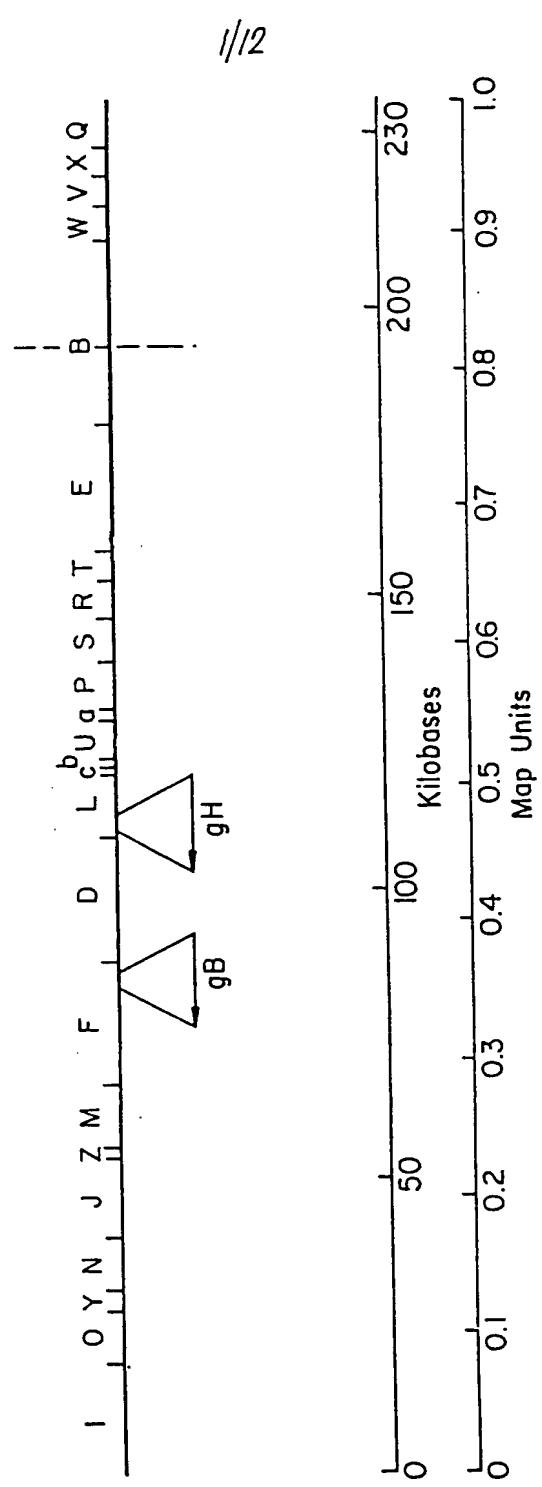


Fig. 2(a)

Fig. 2(b)

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EBV	SNSPFDFVTTGOTVEMSPFYDGK-NKETFHFR--ADSFHVRNTYKIVDYNRGTNPOGERR--AFLDX	GTYTLSWKLE-NRTAYCPLOHWOTEDSTIATETGKSIHFVTOEGTSSFVTNTTVGIELPDAF-KCIEQV	NKTMHEKYEAVQDRYTKGQEALITYFITSGGGLLLAWLPLLPRSLATVKNLTELTTPTSSPPSSPPAPSA	NKTMHEKYEAVQDRYTKGQEALITYFITSGGGLLLAWLPLLPRSLATVKNLTELTTPTSSPPSSPPAPSA
CMV	SKYPYHFFATSTGDVVYISPPFYNGT-NRNASYFGENADKEFIFIPNNTIVSDFGRPNAAPETHRLVAFLER	ADSVISWIDIQDEKENVTCOLTFWEASERTIRSEAEDSYHFSAAKMTATFLSKKOEVNMSDSAL-DCVRDEA	INKLOOIFNTSYNGTYEKYGNVSFETSGGCLVVFWGCIOKSLVELERLANR <u>SSSLNITHRTRST</u> -----	INKLOOIFNTSYNGTYEKYGNVSFETSGGCLVVFWGCIOKSLVELERLANR <u>SSSLNITHRTRST</u> -----
HSV	SVVPPYDEFVLATGDFVYMSPPFYREGSHTEHTSYAAUDRFKOVGFYARDLTTKARATAPTRNLTTPK	FTVAWDWVPK--RPSVCTMTKWQEVDEMRLRSEYGGSFRESSDAISTTFTNLTEYPLSRVDLGDCIGKDA	RDAMDRIFARRYNATHIKVGQPQYYLANGGFLIAYQPLLSNTLAELYVREHLREOSRKPPNPTPPPGAS	RDAMDRIFARRYNATHIKVGQPQYYLANGGFLIAYQPLLSNTLAELYVREHLREOSRKPPNPTPPPGAS

*Fig. 2(c)*

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EBV	ARGSTPAAVLRRRRDAGNATT <del>PPV</del> PTAPGKSLGTNNPATVQJOFAYDSLRRIINRMLGDLARAWCLEQ	
CMV	-----SDNNNTTHLSSMESVH-----NLVYAOLOFTYDTLRGYINRALAQIAEAWCVDO	
HSV	-----ANASVERIKTTSSIEF-----ARLQFTYNHIORHVNDMGLGRVAIAWCELO	
EBV	KRONMVLRLETKINP <del>TTV</del> MSIYIGKAVA <del>A</del> KRLGDV <del>I</del> S <del>V</del> SOCV <del>P</del> VNOATVTLRKSMRVPGSETMCYSRPLV	
CMV	RRTLEVFKELSKINPSA <del>I</del> LSAIY <del>N</del> KPIAARFMG <del>D</del> V <del>L</del> GLASCVT <del>I</del> QTSVKVL <del>M</del> NVKE <del>S</del> PGR <del>C</del> YSR <del>P</del> V	
HSV	NHELT <del>L</del> WNEAR <del>K</del> LNPNAIASATVGRKV <del>S</del> AR <del>M</del> LGDV <del>M</del> A <del>V</del> STC <del>V</del> PVAADNVIVQNSMR <del>I</del> SSHPGACYSRPLV	
EBV	SFSFINDTKTYEGOLGT <del>D</del> NEIFLT <del>KK</del> TEVCQAT <del>S</del> QYYFQS <del>G</del> NEIHVYNDYHHFKTI <del>E</del> LOGIATLOT <del>F</del> IS	
CMV	IFNFANSYYVQY <del>G</del> OL <del>G</del> EDNEILLGNHRTECOLPSLKIFIAGNSAYEYVDYL <del>F</del> KRMIDLSISTVOSMIA	
HSV	SFRYEDOGPLVEGQLGENNELRLTRDAIEPCTVGH <del>R</del> RYFTFGGGYVFEEYAYSHOLSRADITTVST <del>F</del> ID	
EBV	LNTSLIENIDFASLEYSRDEQRASNVFDLFGIFREY <del>N</del> FQAQNIAGLRKDLDNAVSNGRNOFVDGLGELM	
CMV	LDIDPLENTDFRVLEYSO <del>K</del> ELRSSNVFD <del>EE</del> IMREFNSYKORVKYYVEDKV <del>V</del> DDPLPPYLKG <del>L</del> DDLM	
HSV	LNTMLEDHEFVPLEVYTRHEI <del>K</del> UDSCLLDY <del>T</del> EVORRNQLHDLRFA---DIDTVIHADANAAMFAGLGAFF	

Fig. 2(d)

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<b>EBV</b>	<b>D S L G S V G O S I T N L V S T V G C L F S S L V S C F I S F F K N P F G M U L I L V L V A G V V I L V I S L T R R T R O M S O O P V Q M L</b>
<b>CMV</b>	<b>S G L G A A G K A V G V A I G A V G G A V A S V V E G V A T F L K N P F G A F T I I L V A I A V V I I T Y L I Y T R O R R L C T O P L O N L</b>
<b>HSV</b>	<b>E G M G D L G R A V G K V V M G I V G G V V S A V S C V S S F H S N P F G A L A V G L L V L V A G C L A A F F A F R Y V M R L Q S N P M K A L</b>
<b>EBV</b>	<b>Y P G I - D E L A Q Q H - - A S G E G P G I N P I S K T E L Q - A I M L A L H E Q N Q E O K R A A Q P S V A S R A L O A A R D R F</b>
<b>CMV</b>	<b>F P Y L V S A D G T T V T S G S T K D T S L O A P P S Y E E S V Y N S G R K G P G P A S S D A S T A A P P Y T N E Q A Y O M L L A L A R L D</b>
<b>HSV</b>	<b>Y P L T T K E L K N P T N P D A S G E G E E G G D F D E A K L A E A R E M I R Y M A L V S A M E R T E H K A K K G T S - A L L S A K V T D</b>
<b>EBV</b>	<b>P G L R R R R Y H D P E T A A L L G E A - E T E F</b>
<b>CMV</b>	<b>A E Q R A Q Q O N G T D S L D G Q T G T Q D K G O K P N L L D R L R H R K N G Y R H L K O S D E E E N V</b>
<b>HSV</b>	<b>M V M R K R R R N T N Y T Q V P N K D G D A D E N D L</b>

Fig. 3(a)

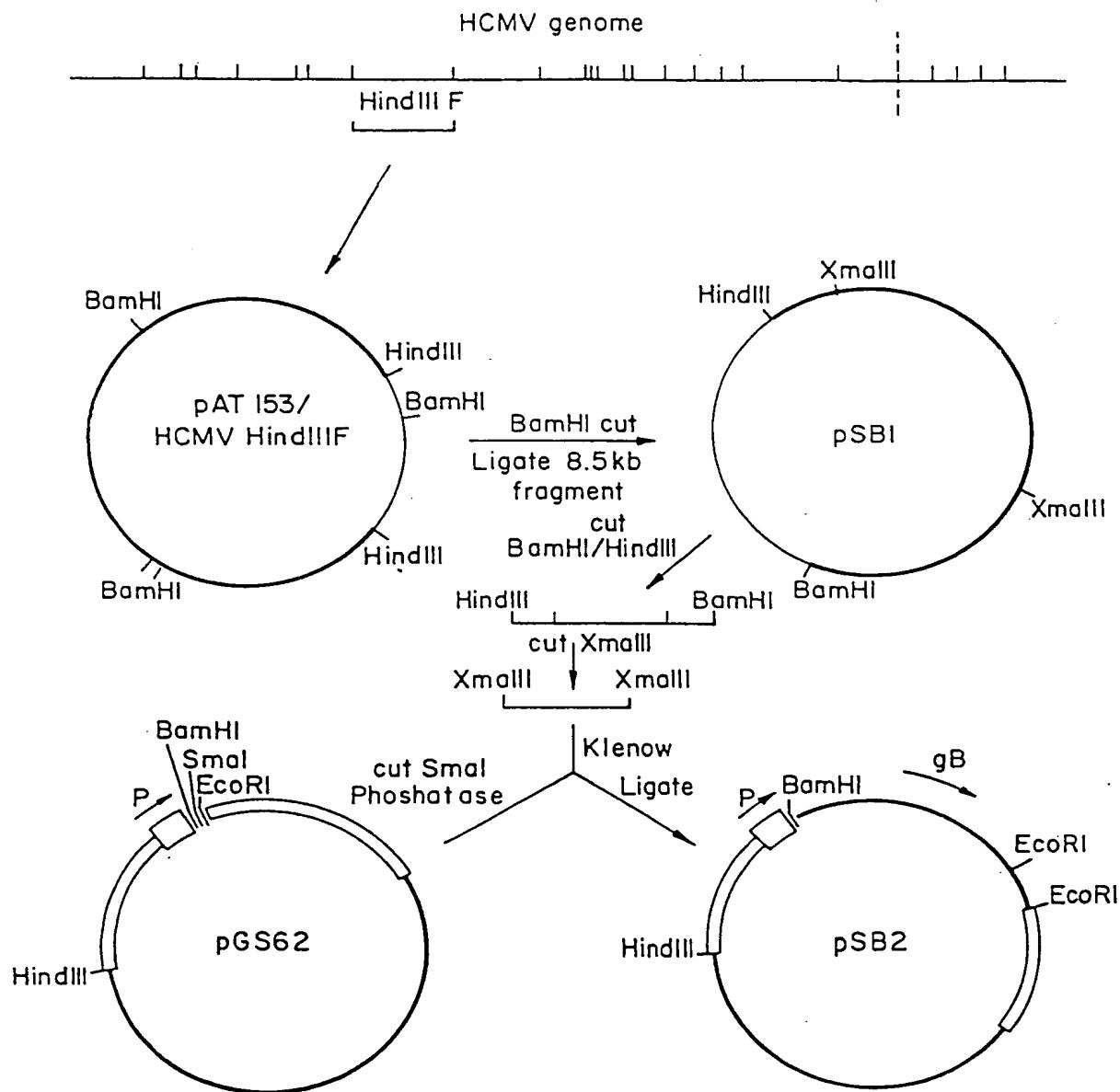
Fig. 3(b)

F G R P N A A P F T H R L V A D S V I S W D I A D E K N V T C O I T F  
 1001 TTTCAGAACCCATAGGTTCGACTGGTCAAGAACCTGGCAGAA  
 W E A S P R T I R S E A E D S Y H S S A K M T A T F L S K K Q E V N M S D S A  
 1101 TCGGAACCTCCGAACTACTATCGTCCGANGCCAA  
 L D C V R D E A I N K L O O I F N T S Y N O T Y E K Y G N V S V F E T S G G I V  
 1201 CTGGACTCCGTACGTGAGGCCTAAATAGTTACAGAATTAACT  
 V F W Q G J K Q K S L V F L E R L A N R S S I T H R T R S T S D N N T T H  
 1301 GTCCTCTGGAAAGGCAAGGCAAGGAA  
 L S S M E S V H N L V Y A O L Q F T Y D T L R G Y I N R A L A Q I A E A W C V D  
 1401 GTCCTCCGATGGCAATTTGGGAAATCTTGGAATTTGGGAA  
 Q R R T L E V F K E L S K I N P S A I L S A I Y N K P I A A R F M G D V L G L A  
 1501 TTTCAGAACCCATAGGTCAAGAACCTGGCAGAA  
 S C V T I N Q T S V K V L R D H N V K E S P G R C Y S R P V V I F N F A H S S Y  
 1601 CAAGGGCACCTAGGGAACTCAACCAAGAATCAACCTGGCAGAA  
 V Q Y G Q L G E D N E I L L G N H R T E E C O L P S L K I F I A G N S A Y E Y V  
 1701 AGCTGGTCAACCAACCACGGCAAGGAACTGGGAA  
 D Y L F K R N I D L S S I S T V D S M I A I D I P L E N T D F R V L E L Y S A  
 1801 GTGGAGTACGGTCAGCTCAACCAACCACGGCAAGGAACTGGGAA  
 1901 GACTACCTTCAGGCACTGGCAGTATCTCCAGCTGACGGCATATCGCCCTGATAGTCAGCTTCAGCTGCTAC  
 2001 GACTACCTTCAGGCACTGGCAGTATCTCCAGCTGACGGCATATCGCCCTGATAGTCAGCTTCAGCTGCTAC

Fig. 3(c)

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Fig. 4.



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Fig. 5(a)

1 CGCAGAGCGTTCCCCGTCGAATCAGCGTCGTCCCCACGCCGGACGGCATGGCTTACCCG  
61 CGTGTCCCCCTTCTTCCTCGAGCGGCCAATGACATCGTATTAAATAGACAGAGACGC  
121 GACTTTGTAACCGTAGCGCCACACCCGGTGCCCCCTTCTGGATCCTTCTCCTT  
181 CTCTCGGGTGTAAACGCCAACCAACCACCTGGATCACGCCGCTGAACCCAGCGCGCAGCC  
M R P G L P P Y L T V F T V Y L L S H  
241 CGCTATGCGGCCGGCTCCCCCTACCTCACTGTCTTCACCGTCTACCTCCTCAGTCA  
L P S Q R Y G A D A A S E A L D P H A F  
301 CCTACCTTCGCAACGATATGGCGCGGACGCCGATCCGAAGCGCTGGACCCCTACGCATT  
H L L L N T Y G R P I R F L R E N T T Q  
361 TCACCTACTACTCAACACCTACGGGAGACCCATCCGCTTCTCGTGTAAAACACCACCCA  
C T Y N S S L R N S T V V R E N A I S F  
421 GTGCACCTACAACAGCAGCCTCCGTAAACAGCACGGTCGTAGGGAAAAGCCATCAGTT  
N F F Q S Y N Q Y Y V F H M P R C L F A  
481 CAACTTTTCAAAGCTATAATCAATACTATGTATCCATATGCCCTCGATGTCTTTGC  
G P L A E Q F L N Q V D L T E T L E R Y  
541 GGGTCCTCTGGCGGAGCAGTTCTGAACCAGGTAGATCTGACCGAAACCTAGAAAGATA  
Q Q R L N T Y A L V S K D L A S Y R S F  
601 CCAACAGAGACTTAACACCTACGCATTGGTATCCAAAGACCTGGCCAGCTACCGATCTT  
S Q Q L K A Q D S L G Q Q P T T V P P P  
661 TTTCGAGCAGCTGAAGGCACAAGACAGCCTGGTCAGCAGCCCACCCACCGTGCCACCGCC  
I D L S I P H V W M P P Q T T P H D W K  
721 CATTGATCTGTCAATACCTCACGTTGGATGCCACCCAAACCACTCCACACGACTGGAA  
G S H T T S G L H R P H F N Q T C I L F  
781 GGGATCGCACACCACCTCGGGACTACATCGGCCACACTTTAACCAAGACCTGTATCCCTT  
D G H D L L F S T V T P C L H Q G F Y L  
841 TGATGGACACGATCTGCTTTACGACCGTTACGCCCTGTCTGCACCAGGGCTTTACCT  
M D E L R Y V K I T L T E D F F V V T V  
901 CATGGACGAACACTACGTTACGTTAAATCACACTGACCGAGGACTTCTCGTAGTTACGGT  
S I D D D T P M L L I F G H L P R V L F  
961 ATCTATAGACGACGACACACCCATGCTGCTTATCTCGGTATCTCCACCGTACTCTT

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Fig. 5(b)

K A P Y Q R D N F I L R Q T E K H E L L  
1021 CAAAGCGCCCTATCAACGCGACAACCTTATACTACGACAAACTGAAAAACACGAGCTCCT  
  
V L V K K A Q L N R H S Y L K D S D F L  
1081 GGTACTAGTTAAGAAAAGCTCAACTAAACCGTCACTCCTATCTCAAAGACTCGGACTTCT  
  
D A A L D F N Y L D L S A L L R N S F H  
1141 CGACGCCGCACTCGACTTCAACTACCTGGACCTCAGCGCACTGTTACGTAACAGCTTC  
  
R Y A V D V L K S G R C Q M L D R R T V  
1201 CCGTTACGCTGTAGACGTACTCAAAAGCGGTCGATGTCAAATGTTGGACCAGCCGACCGT  
  
E M A F A Y A L A L F A A A A R Q E E A G  
1261 AGAAAATGGCCTTCGCCACTGCATTAGCACAGTTGCGGGCAGCCCAGAACAGAGAGGCCGG  
  
T E I S I P R A L D R Q A A L L Q I Q E  
1321 CACCGAAATCTCCATCCCCACGAGCCCTAGACCGCCAGGCCGACTCTTACAAATACAAGA  
  
F M I T C L S Q T P P R T T L L L Y P T  
1381 ATTTATGATCACCTGCCTCTCACAAACACCACGCACCATTGCTGCTATATCCCAC  
  
A V D L A K R A L W T P D Q I T D I T S  
1441 AGCCGTGGACCTGGCCAACGAGCCCTCTGGACGCCGGACCAGATCACCGACATCACCAAG  
  
L V R L V Y I L S K Q N Q Q H L I P Q W  
1501 CCTCGTACGCCCTGGTCTACATACTTCTAAACAGAACATCAGAACATCTCATTCCCCAGTG  
  
A L R Q I A D F A L Q L H K T H L A S F  
1561 GGCACATACGACAGATCGCCGACTTGCCTACAAATTACACAAAACGCACCTGGCCTCTT  
  
L S A F A R Q E L Y L M G S L V H S M L  
1621 TCTTCAGCCTTCGCCAGAACACTCTACCTCATGGCAGCCCTCGTCCACTCCATGTT  
  
V H T T E R R E I F I V E T G L C S L A  
1681 GGTACATACGACGGAGAGACCGAATCTTCATCGTAGAAACGGGCCTCTGTTCATGGC  
  
E L S H F T Q L L A H P H H E Y L S D L  
1741 CGAGCTATCACACTTACGCAGTTGCTAGCTCATCCGACCAACGAATACCTCAGCGACCT  
  
Y T P C S S S G R R D H S L E R L T R L  
1801 GTACACACCCCTGTTCCAGTAGCGGGCGACCGGATCACTCGCTCGAACGCCCTACGCGTCT  
  
F P D A T V P A T V P A A L S I L S T M  
1861 CTTCCCCGATGCCACCGTTCTGCTACCGTTCCGCCCTCTCCATCCTATCTACCAT  
  
Q P S T L E T F P D L F C L P L G E S F  
1921 GCAACCAAGCAGCCTGGAAACCTTCCCCGACCTGTTTGTCTGCCGCTGGCGAATCCTT

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Fig.5(c)

S A L T V S E H V S Y V V T N Q Y L I K  
1981 CTCCCGCTAACCGTCTCCGAACACGTAGTTATGTCGTAACAAACCAAGTACCTGATCAA  
  
G I S Y P V S T T V V G Q S L I I T Q T  
2041 AGGTATCTCCTACCCCTGTCCTACCACCGTCGTAGGCCAGAGCCTCATCATCACCCAAAC  
  
D S Q T K C E L T R N M H T T H S I T A  
2101 GGACAGTCAAACATAATGCGAACTAACGCGAACATGCACACACACAGCATCACAGC  
  
A L N I S L E N C A F C Q S A L L E Y D  
2161 GGCGCTAACATTCACTAGAAAATGCGCCTTTGCCAAGCGCCCTGCTAGAACATCGA  
  
D T Q G V I N I M Y M H D S D D V L F A  
2221 CGACACGCAAGGCCTACAAACATCATGTACATGCACGACTCGGACGACGTCCCTTCGC  
  
L D P Y N E V V V S S P R T H Y L M L L  
2281 CCTGGATCCCTACAACGAAGTGGTGGTCTCATCTCCGCGAACTCACTACCTCATGCTTT  
  
K N G T V L E V T D V V V D A T D S R L  
2341 GAAAAACGGTACGGTCTAGAAGTAAC TGACGTCGTGGACGCCACCGACAGTCGTCT  
  
L M M S V Y A L S A I I G I Y L L Y R M  
2401 CCTCATGATGTCCGTCTACGCGCTATCGGCCATCATCGGCATCTATGCTCTACCGCAT  
  
L K T C  
2461 GCTCAAGACATGCTGACTGTAGAACCTGACAGTTATGAGAAAAGGGACAGAAAAGTTAA  
2521 AGACATTACACAAAATCTCTAAAACGGTACGGGCCAATACTTAGGGGCACTCTTGC  
2581 TCGTTGTAATAAAAGTACACGCCACACGGTGTGATGGTACTATATGCGTGAGGTCTGTGCG  
2641 TCTTTATTTACGAGGTACTGTTATGGGTCTGGTTACATATCGGGCCTGGATACAAGCTT  
Hind III